

FROM TREXLER ETAL.

(FRI) 4. 29' 05 11:50/ST. 11:50/NO. 4860347881 P 1

TREXLER, BUSHNELL, GIANGIORGI, BLACKSTONE & MARR, LTD.

COUNSELORS AT LAW

THE CLARK ADAMS BUILDING

105 WEST ADAMS STREET, SUITE 3600

CHICAGO, ILLINOIS 60603-6299

(312) 704-1890

RICHARD R. TREXLER (1906-1995)

RICHARD BUSHNELL (1926-2004)

RICHARD A. GIANGIORGI

RAIFORD A. BLACKSTONE, JR.

DAVID J. MARR

LINDA L. PALOMAR

JAMES R. FOLEY

JAMES A. O'MALLEY

TIMOTHY M. MCCARTHY

PAIGE A. KITZINGER

FOUNDED 1890

PATENT, TRADEMARK, COPYRIGHT
AND RELATED MATTERS; ALL PHASES
INCLUDING LICENSING AND LITIGATION

FAX: (312) 704-8023

www.trexlaw.com

RECEIVED
CENTRAL FAX CENTER
APR 29 2005

FACSIMILE TRANSMISSION

TOTAL PAGES (Including Cover Page) 14 DATE: April 29, 2005

Commissioner of Patents and Trademarks

TO: Attn.: Examiner Jesse A. Fenty FROM: Mr. James R. Foley, Reg. No. 39,979

FAX NO: (703) 872-9306 FAX NO: (312) 704-8023

If you experience any difficulty with this transmission, please call (312) 704-1890 for assistance.

ORIGINAL COPY AND ENCLOSURES

 WILL BE SENT BY MAIL COURIER

✓ WILL NOT BE SENT

NOTES:

Inventors: Valeriy Sukharev et al.

For: Copper-Iow-K Dual Damascene

Interconnect with Improved Reliability

Art Unit: 2815

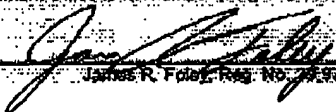
Serial No.: 10/615,042

Filed: July 8, 2003

Attorney Ref.: 03-0509

CERTIFICATION OF FACSIMILE TRANSMISSION

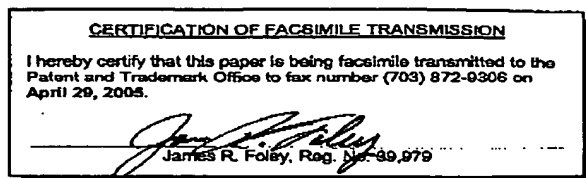
I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office to fax number (703) 872-9306 on April 29, 2005.


James R. Foley, Reg. No. 39,979

IMPORTANT NOTICE

This transmission (including all attached pages) is intended only for the use of the named addressee(s), and may contain information that is privileged or exempt from disclosure under applicable law. **IF YOU ARE NOT A NAMED ADDRESSEE, YOU ARE HEREBY NOTIFIED THAT ANY USE, DISSEMINATION, DISTRIBUTION OR COPYING OF THIS TRANSMISSION IS STRICTLY PROHIBITED.** If you have received this transmission in error, please destroy all copies and notify us immediately at this telephone number: (312) 704-1890.

In re application of: Valeriy Sukharev et al.
Serial No.: 10/615,042
Filed: July 8, 2003
Art Unit: 2815
For: COPPER-LOW-K DUAL DAMASCENE
INTERCONNECT WITH IMPROVED
RELIABILITY



MAIL STOP: RESPONSE
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to the Office Action mailed February 8, 2005.

The filing fee has been calculated as shown below:


(Col. 1)		(Col. 2)		(Col. 3)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
	Claims Remaining After Amendment		Highest No. Previously Paid for	Present Extra	Rate	Addit. Fee		Rate	Addit. Fee
TOTAL	* 7	MINUS	** 20	0	x 25 =	\$.00		x 50 =	\$.00
INDEP.	* 3	MINUS	** 4	0	x 100 =	\$.00		x 200 =	\$.00
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					+ 180 =	\$.00		+ 360 =	\$.00
					TOTAL ADDIT. FEE	\$.00	OR	TOTAL	\$.00

- * If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" (Total or independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ Please charge my Deposit Account No. 12-2252 in the amount of \$ _____. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of _____ to cover the filing fee is also enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-2252.
- ☒ Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17

Dated: April 29, 2005


James R. Foley Reg. No. 39,979
Attorney of Record

In re application of: Valeriy Sukharev et al.
 Serial No.: 10/615,042
 Filed: July 8, 2003
 Art Unit: 2815
 For: COPPER-LOW-K DUAL DAMASCENE
 INTERCONNECT WITH IMPROVED
 RELIABILITY

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office to fax number (703) 872-9306 on April 29, 2005.

James R. Foley
 James R. Foley, Reg. No. 39,979

MAIL STOP: RESPONSE
 COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to the Office Action mailed February 8, 2005.

The filing fee has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)
	Claims Remaining After Amendment		Highest No. Previously Paid for	Present Extra
TOTAL	* 7	MINUS	** 20	0
INDEP.	* 3	MINUS	** 4	0
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				

SMALL ENTITY	
Rate	Addit. Fee
x 25 =	\$.00
x 100 =	\$.00
+ 180 =	\$.00
TOTAL	
ADDIT. FEE	\$.00

OR

OTHER THAN A SMALL ENTITY	
Rate	Addit. Fee
x 50 =	\$.00
x 200 =	\$.00
+ 360 =	\$.00
TOTAL	
	\$.00

OR

- * If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" (Total or independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ Please charge my Deposit Account No. 12-2252 in the amount of \$_____. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of _____ to cover the filing fee is also enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-2252.
- ☒ Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17

Dated: April 29, 2005

James R. Foley
 James R. Foley Reg. No. 39,979
 Attorney of Record

COPY

TREXLER, BUSHNELL, GIANGIORGI, BLACKSTONE & MARR, LTD. • 105 W. ADAMS ST. • CHICAGO, ILLINOIS 60603 • (312) 704-1890

FROM TREXLER ETAL.

RECEIVED
CENTRAL FAX UNIT 4/29/05 11:51/ST. 11:50/NO. 4860347881 P 4
APR 29 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/615,042)
Filed: July 8, 2003)
Art Unit: 2815)
Examiner: Jesse A. Fenty)
For: COPPER-LOW-K DUAL)
DAMASCENE)
INTERCONNECT WITH)
IMPROVED RELIABILITY)
Inventors: Valeriy Sukharev et al.)
Attorney Ref: 03-0509)

<p>CERTIFICATION OF FACSIMILE TRANSMISSION</p> <p>I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office to fax number (703) 872-9308 on:</p> <p><i>April 29, 2005</i> Date</p> <p><i>James R. Foley</i> James R. Foley, Reg. No. 39,878</p>

SUPPLEMENTAL RESPONSE TO OFFICE ACTION MAILED FEBRUARY 8, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In the matter of the above-identified application and in response to the Office Action mailed February 8, 2005, kindly enter the following amendments and consider the following remarks toward reconsideration of the present application.